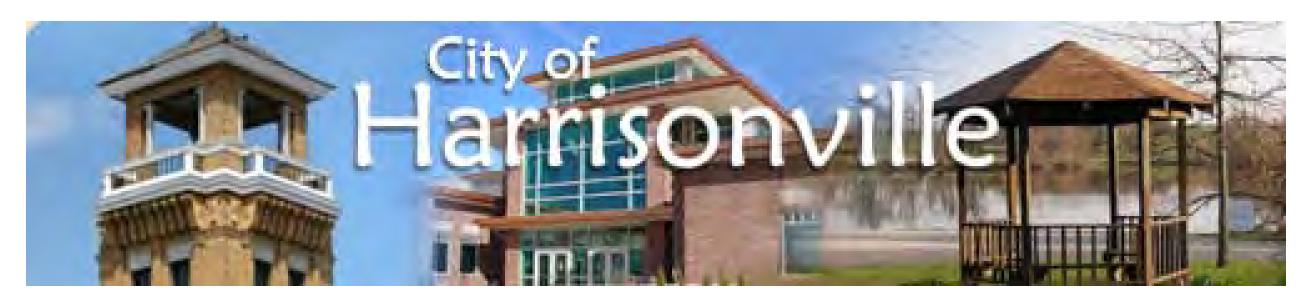
### Missouri Water Utility Partnership - July 8, 2010



## Project Size: \$ 7,000,000

Annual Savings				
City	kilowatt Hours Electricity	Hundred Cubic Feet Natural Gas or Propane	Mgals Water	Dollars
Harrisonville	360,917	N/A	N/A	To Be Determined



#### **Wastewater Treatment Plant Improvements**

- Course bubble diffusers in aeration basins being replaced with fine air diffusers which use less power
- Computer system (SCADA) will regulate air flow based on data from dissolved oxygen probes
- Headworks Building equipment being replaced & process being modified which substantially reduces power use
- New energy efficient blowers being installed in aerobic digesters

#### **New Building Construction**

- New lab, office, training and break room being added to Compressor Building
- All new electrical cables, lighting and HVAC in new & upgraded buildings create substantial energy efficiency over existing operations



<b>Business Model:</b>	Design – Build – Construct	
<b>Prime Contractor:</b>	David E Ross Construction	
<b>Utility Partners:</b>	None	
<b>Funding Sources:</b>	(1)Missouri DNR SRF - \$ 4M (2) ARRA Grant - \$3M	

# This will prevent the following greenhouse gases from being released into the atmosphere



